

FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.

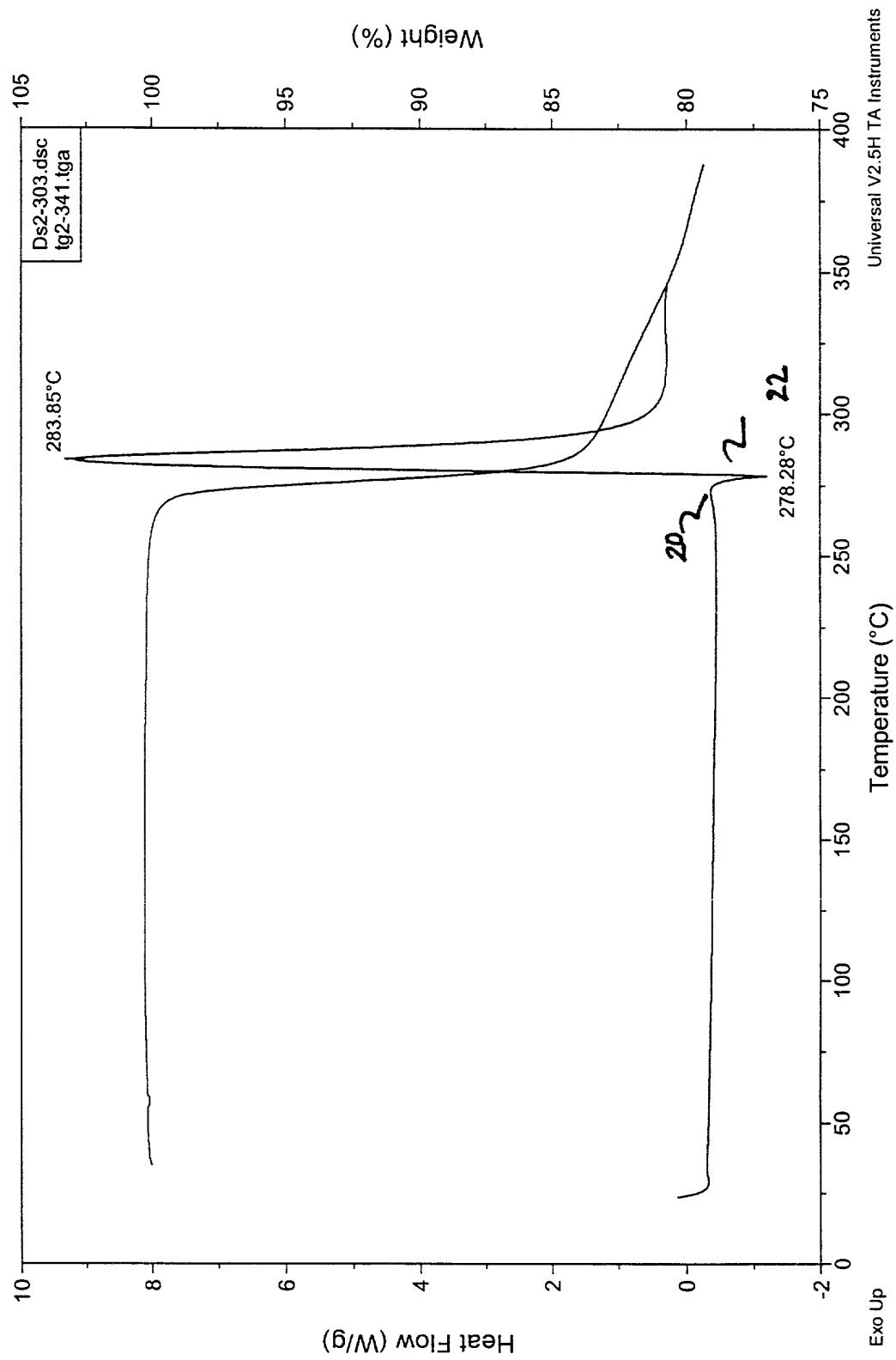


FIG. 2

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:06:50 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture 69.00

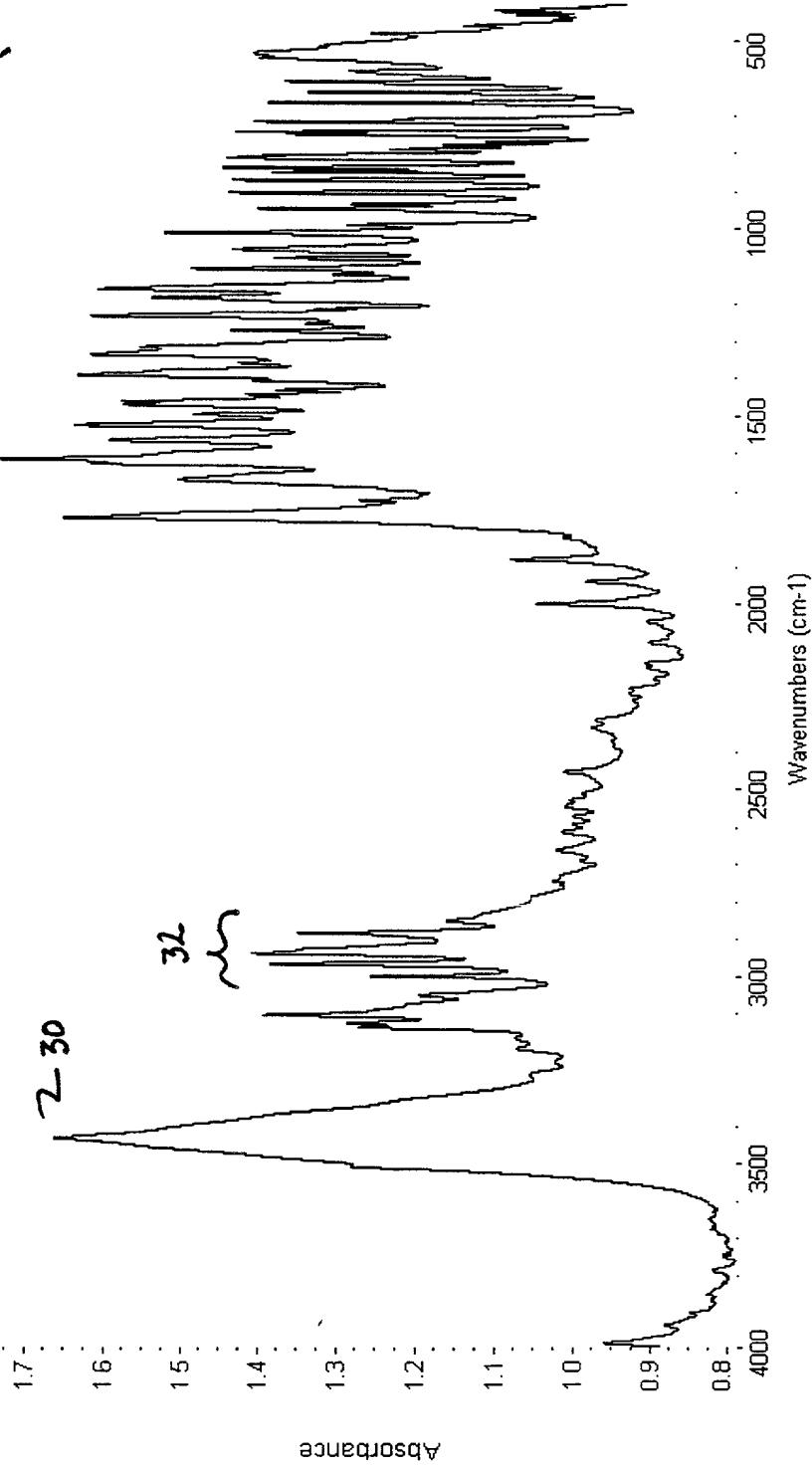


FIG. 3

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

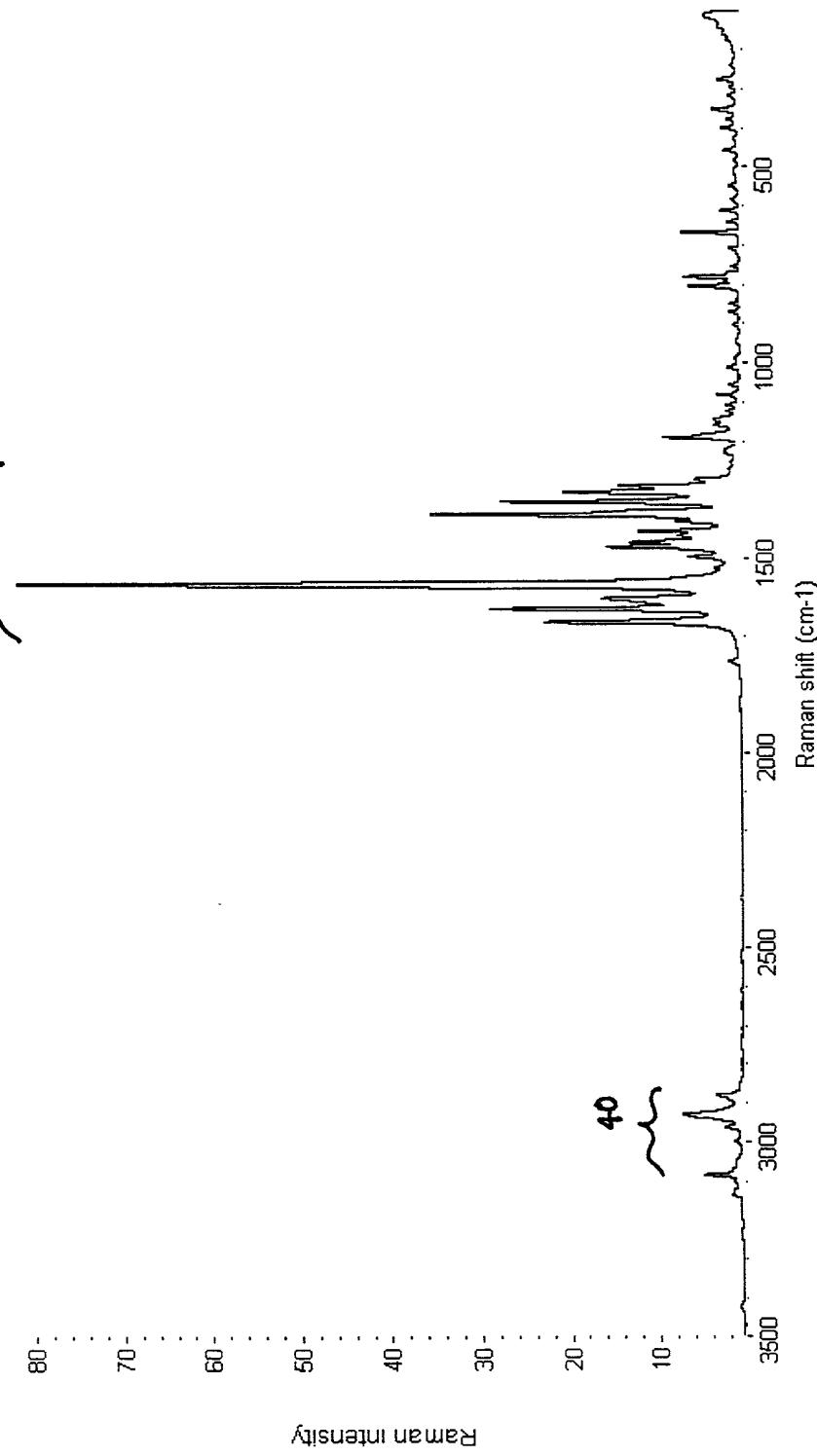


FIG. 4

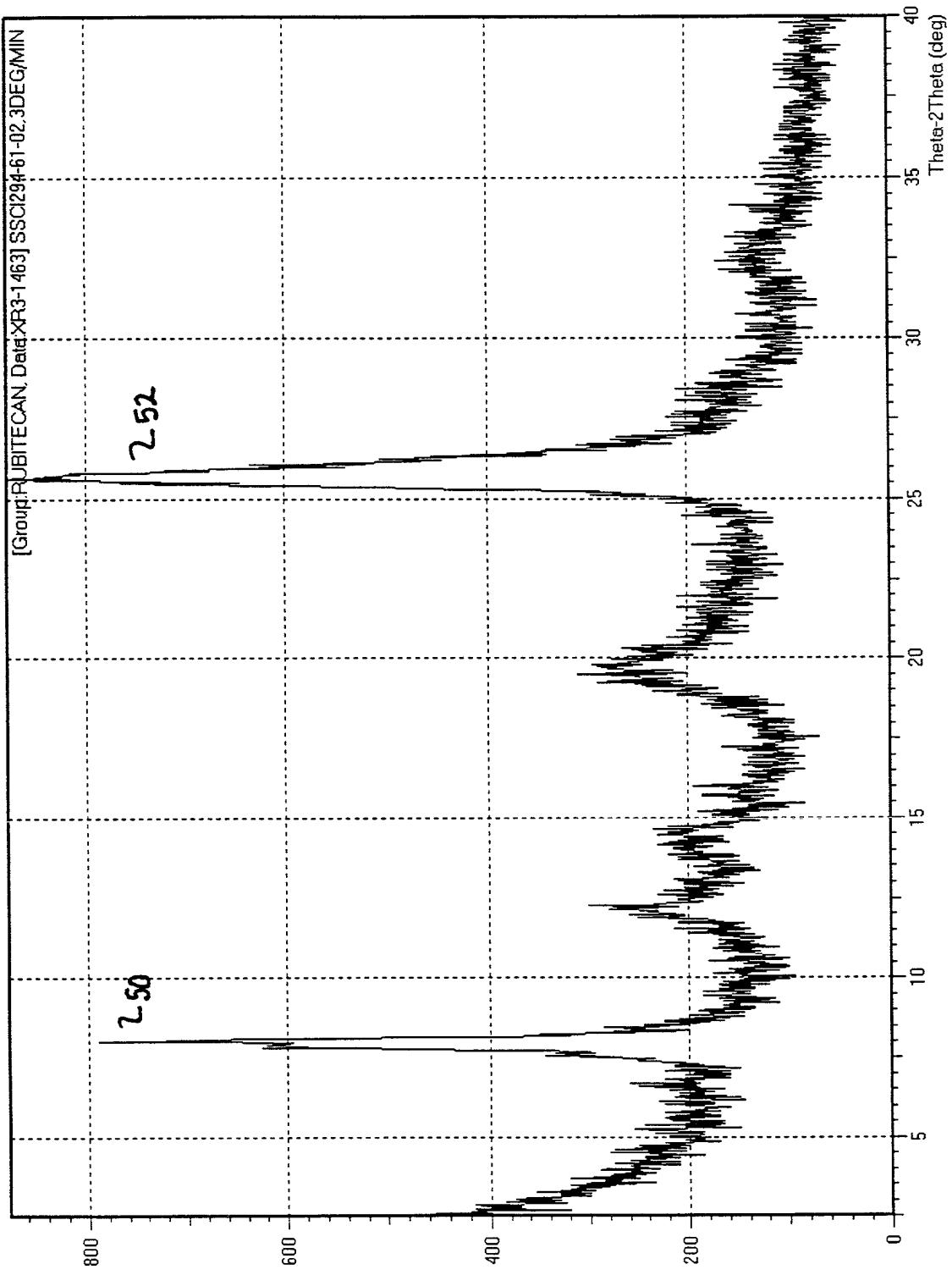
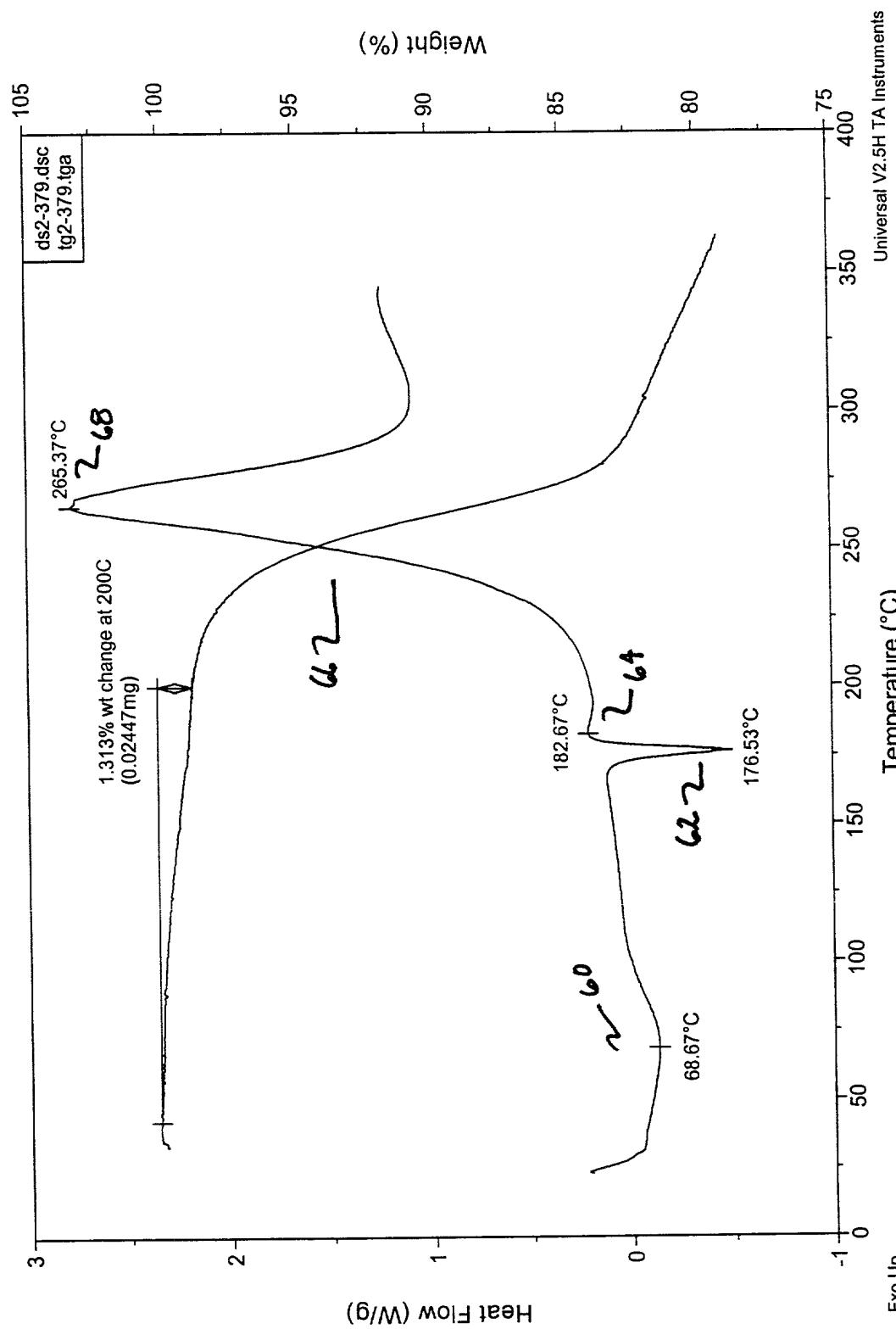


FIG. 5

DS_C (bottom) and TGA (top) of Rubitecan Form B.



IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 10:31:51 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

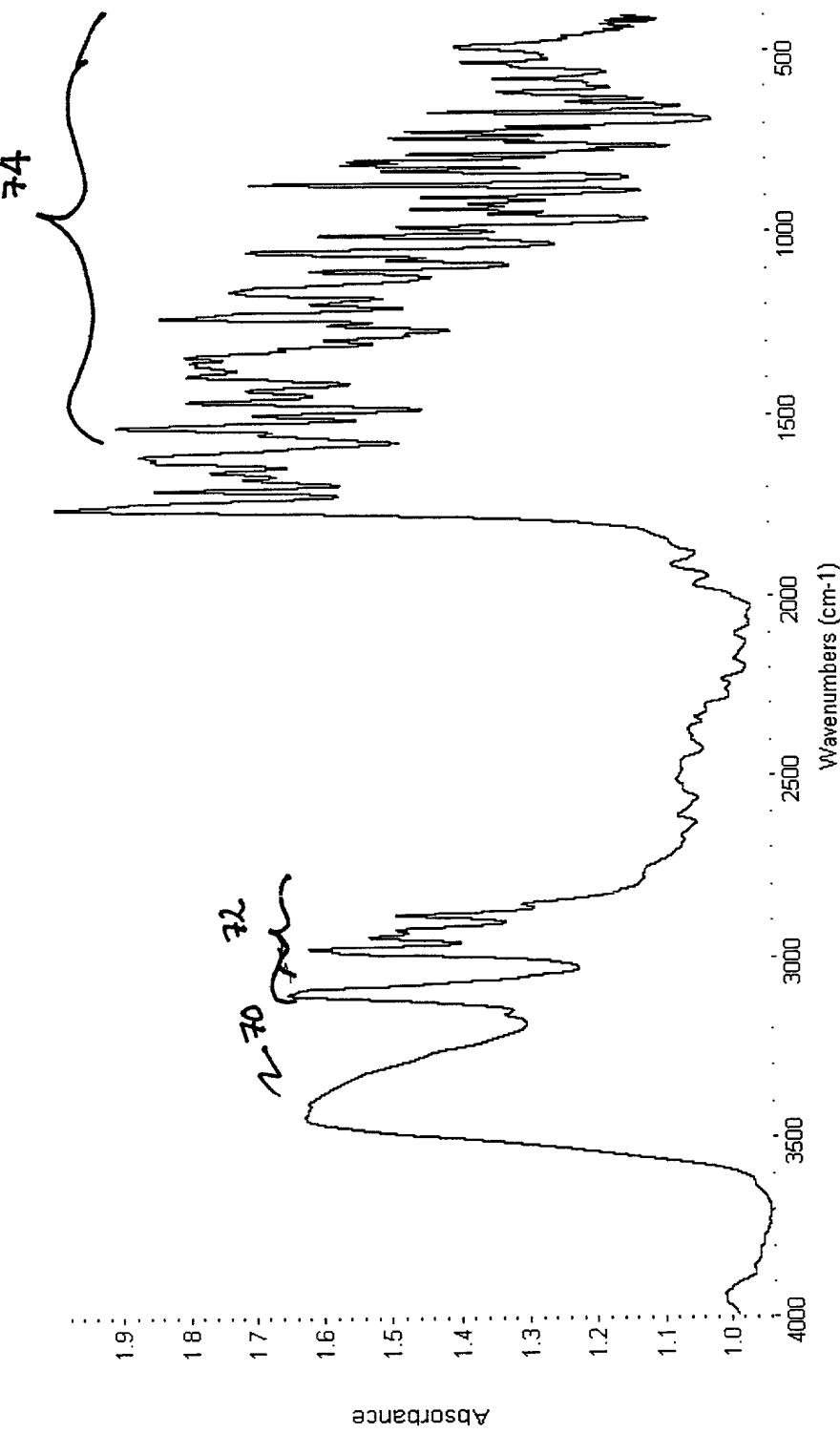


FIG.

7

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

82

82

9

8

7

6

5

4

3

2

1

Raman intensity

80

3500

3000

2500

2000

1500

1000

500

1

0

1

2

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6

7

8

9

FIG.

8

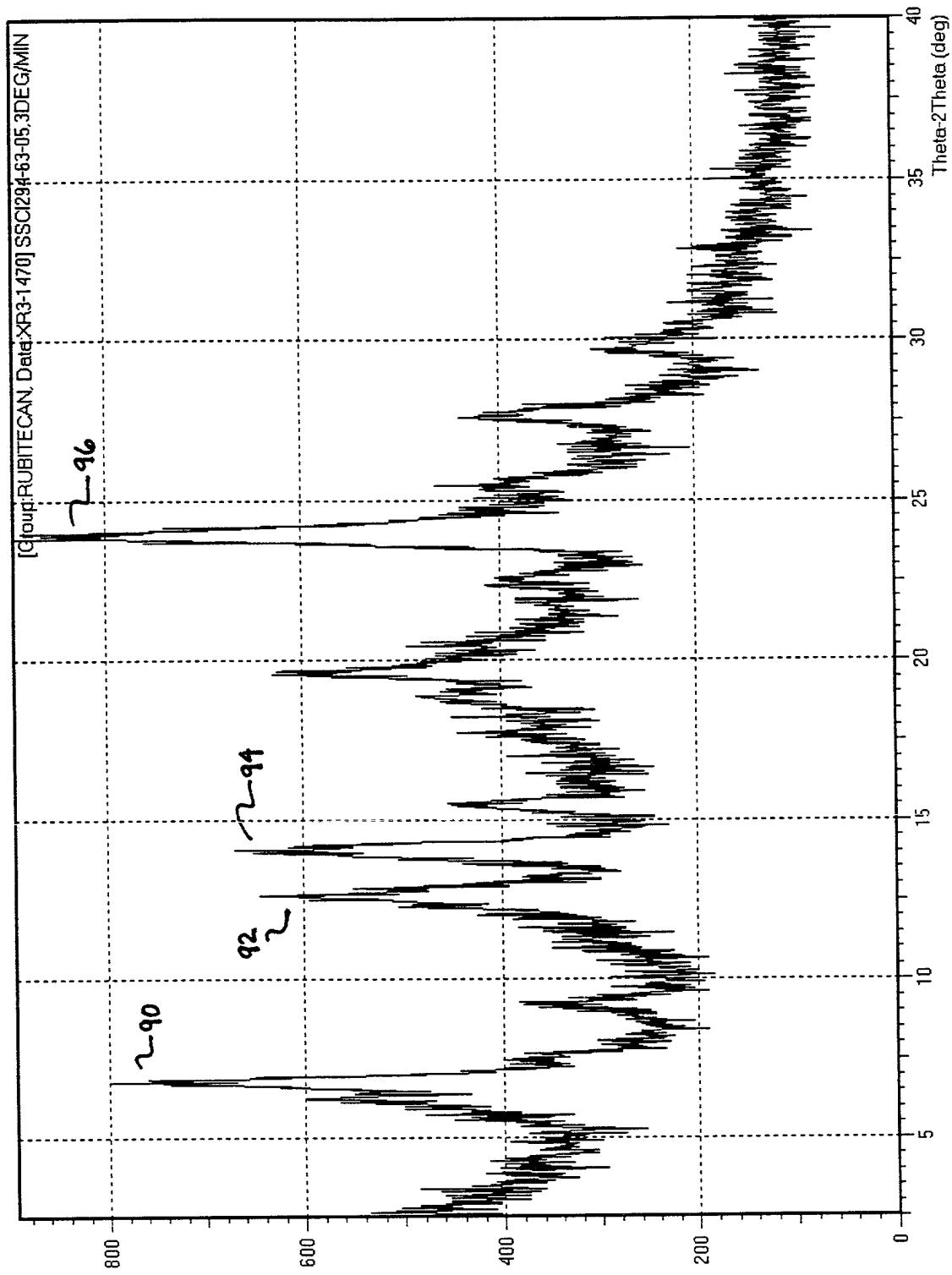


FIG. 9

DSC (bottom) and TGA (top) of Rubitecan Form C.

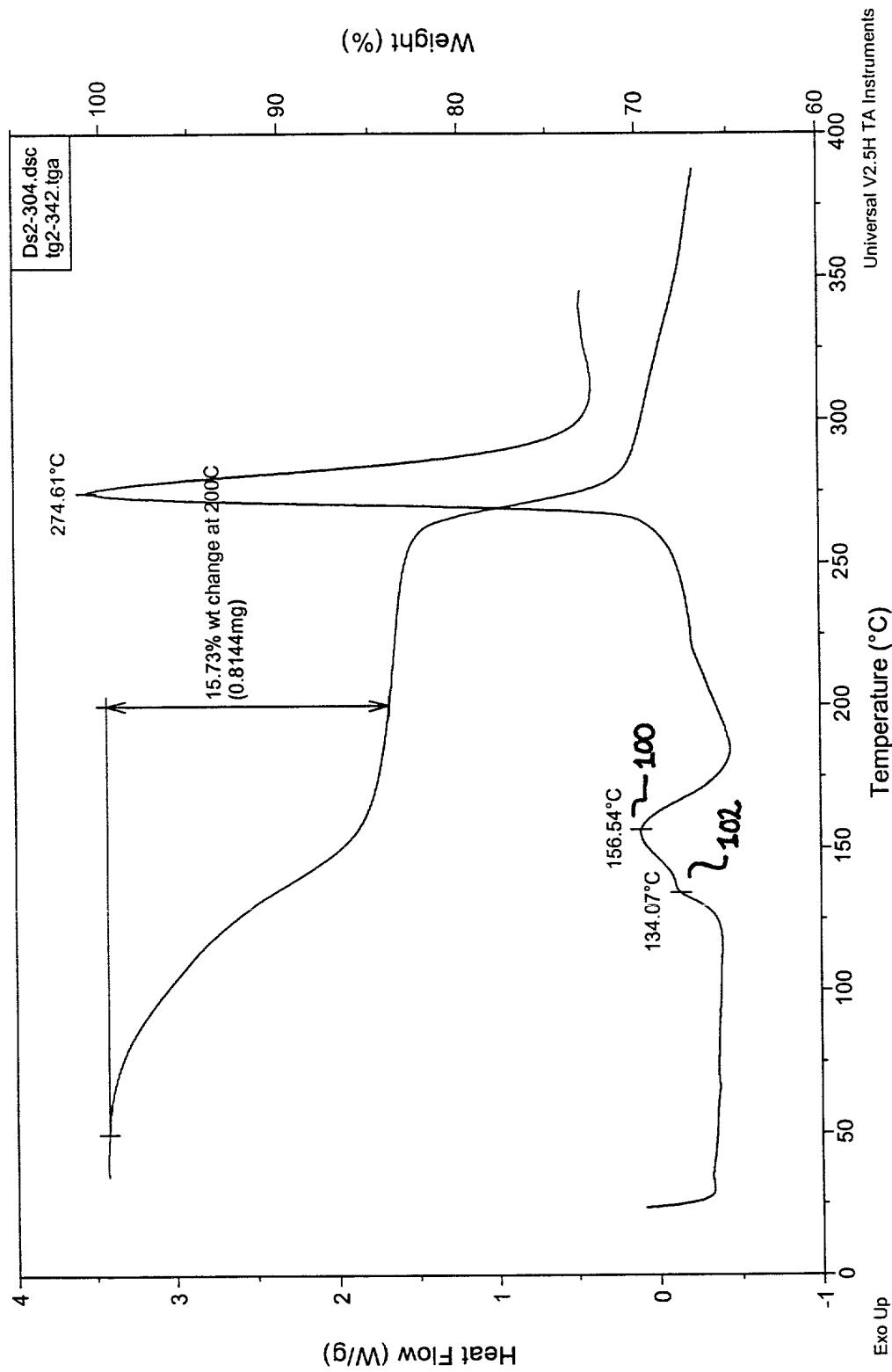


FIG. 10

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:40:03 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

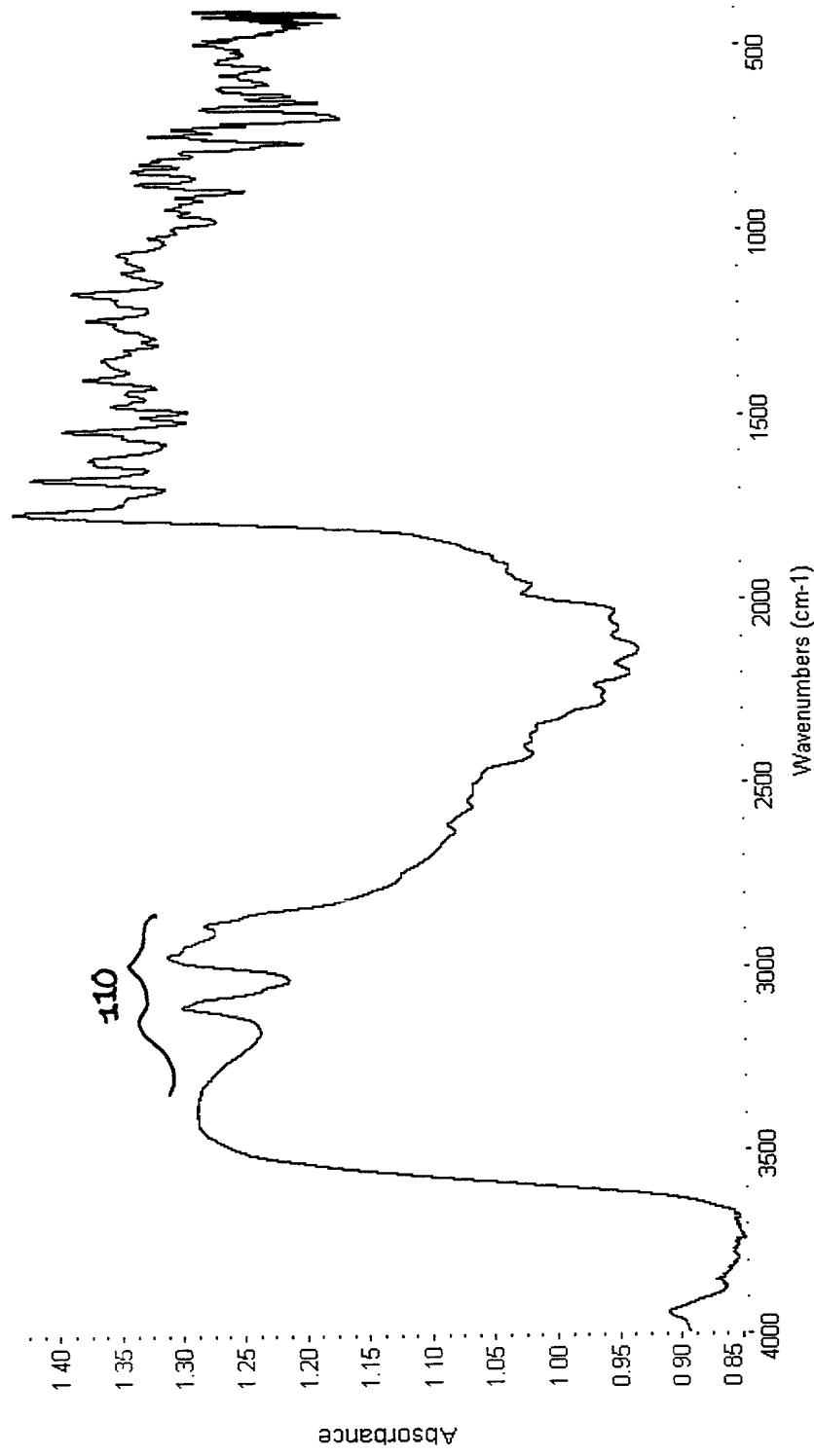


FIG. 11

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

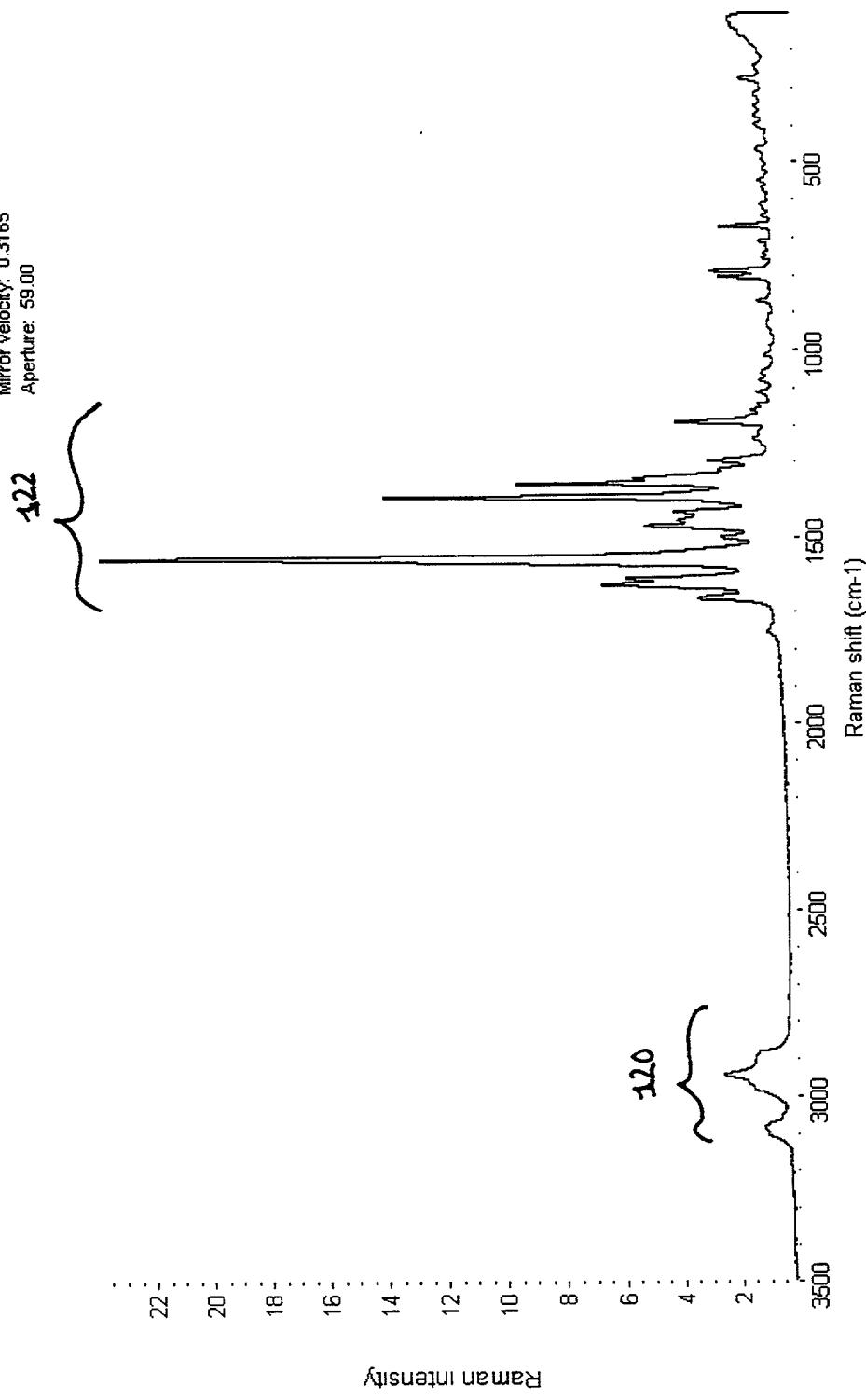


FIG. 12

FIG. 16.

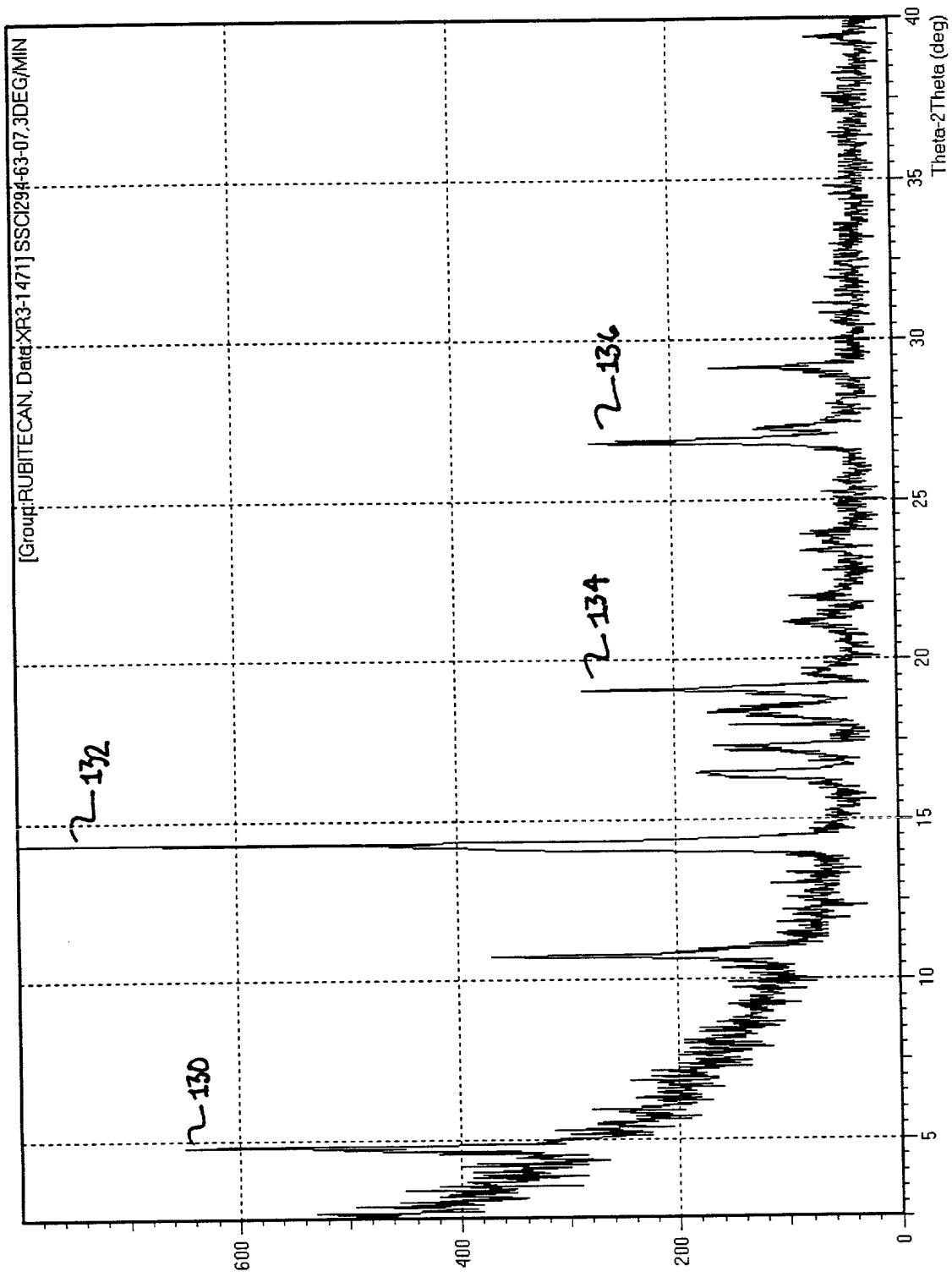


FIG. 13

DSC (bottom) and TGA (top) of Rubitecan Form D.

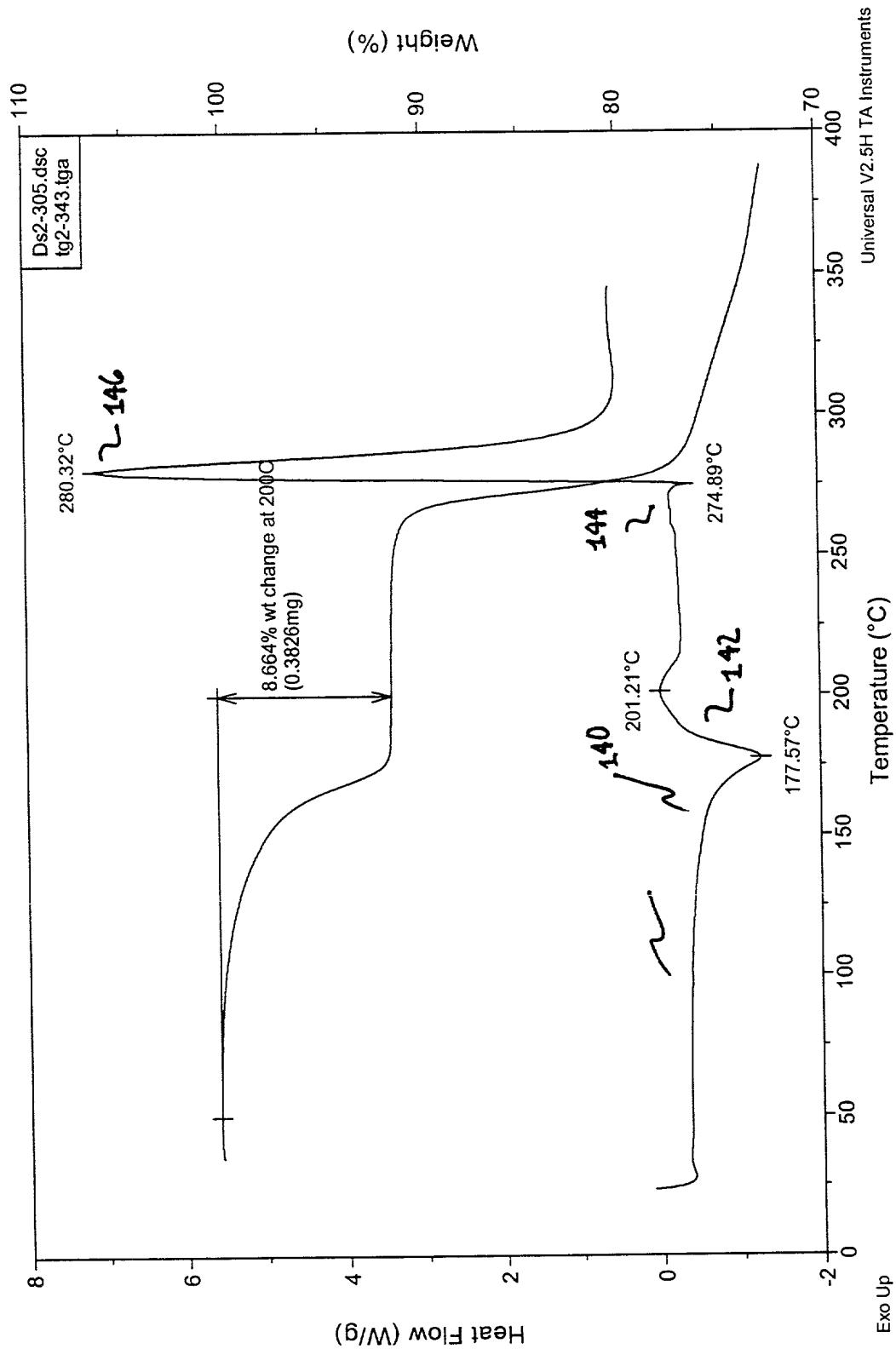


FIG. 14

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

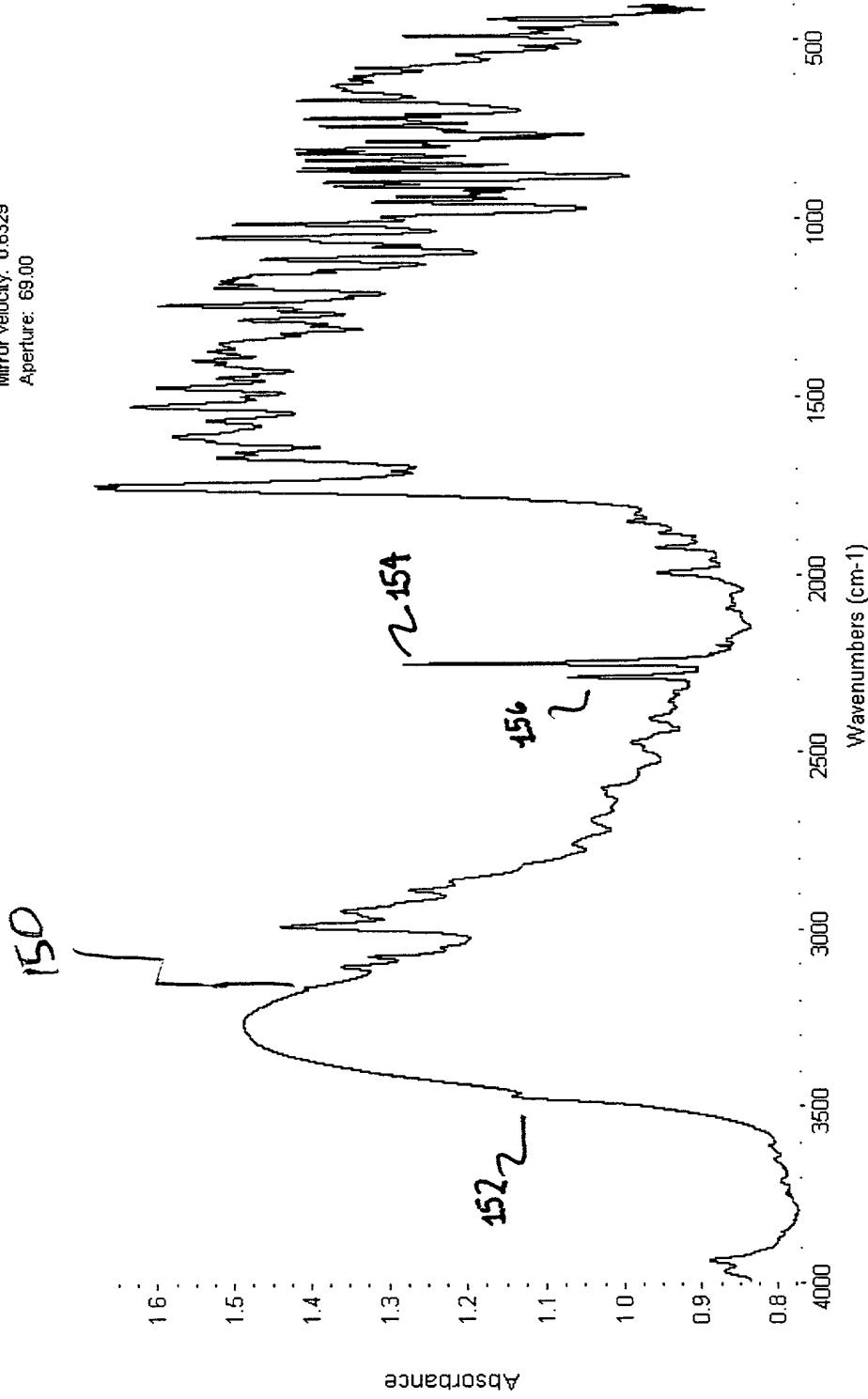


FIG. 15

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:49:39 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample Gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

162

30

25

20

15

10

5

Raman intensity

160

~ 169

3000

2500

2000

1500

1000

500

0

500

1000

1500

2000

2500

3000

3500

0

500

1000

1500

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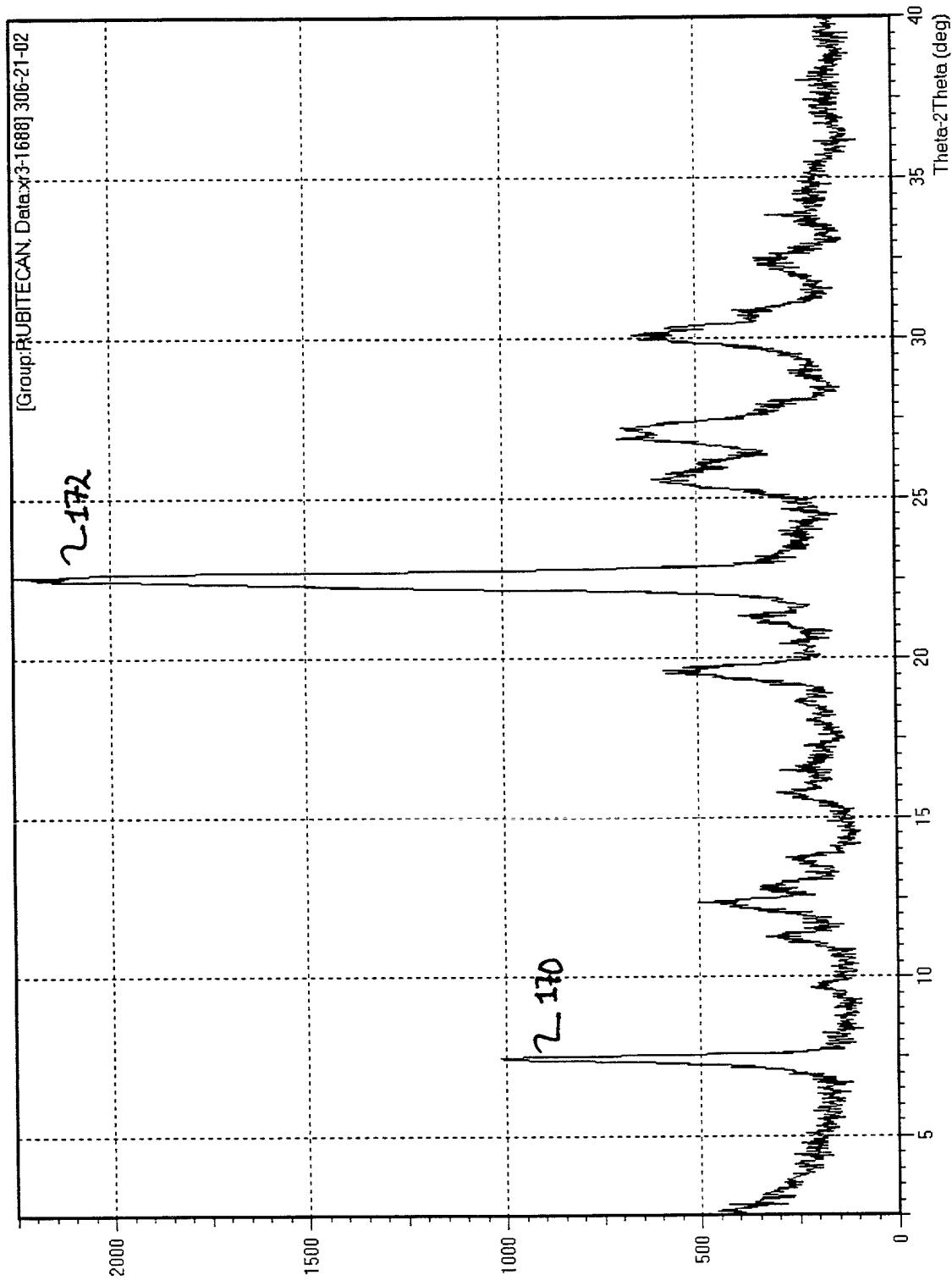
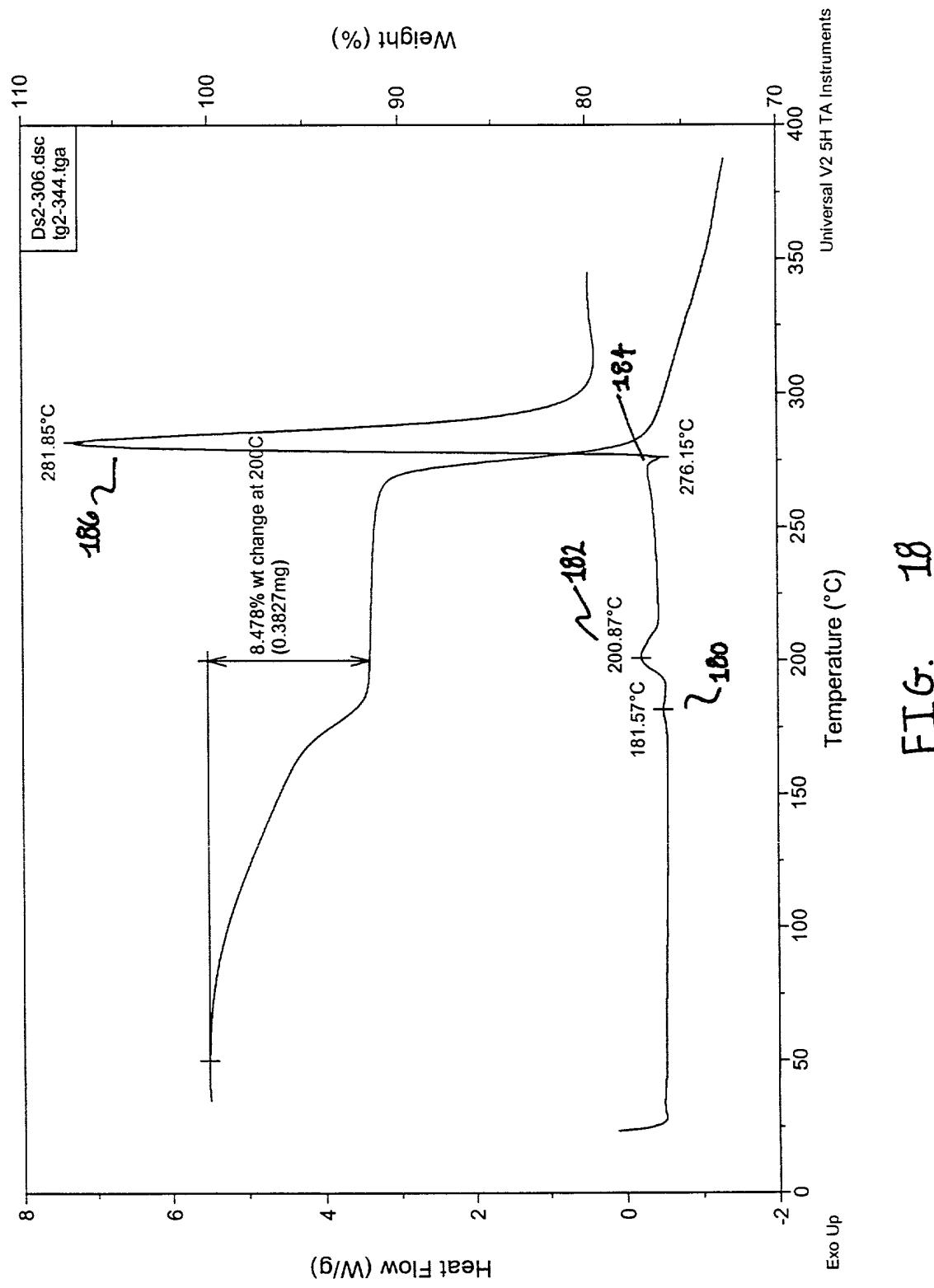


FIG. 17

DSC (bottom) and TGA (top) of Rubitecan Form E.



IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 8:14:49 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

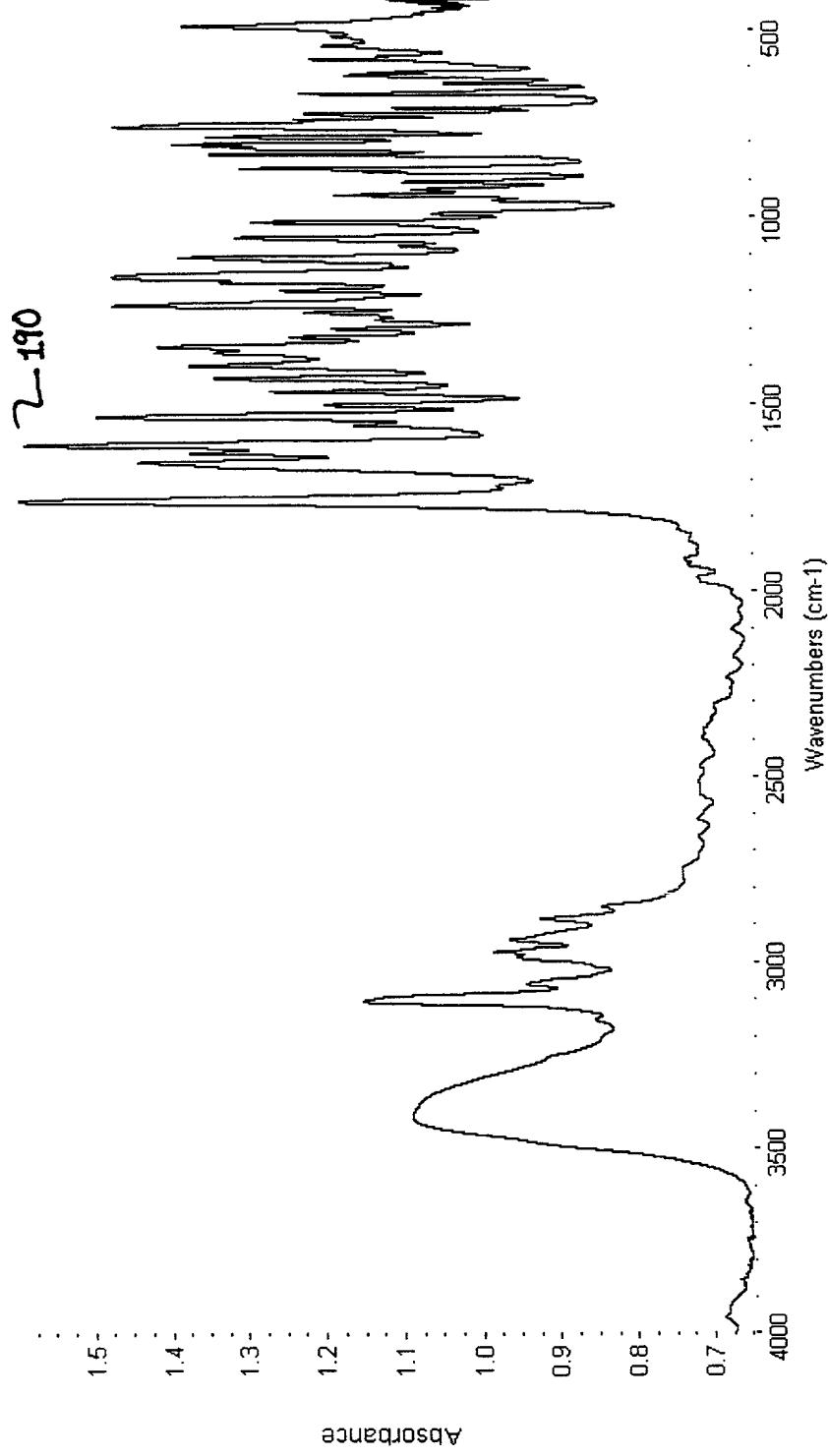


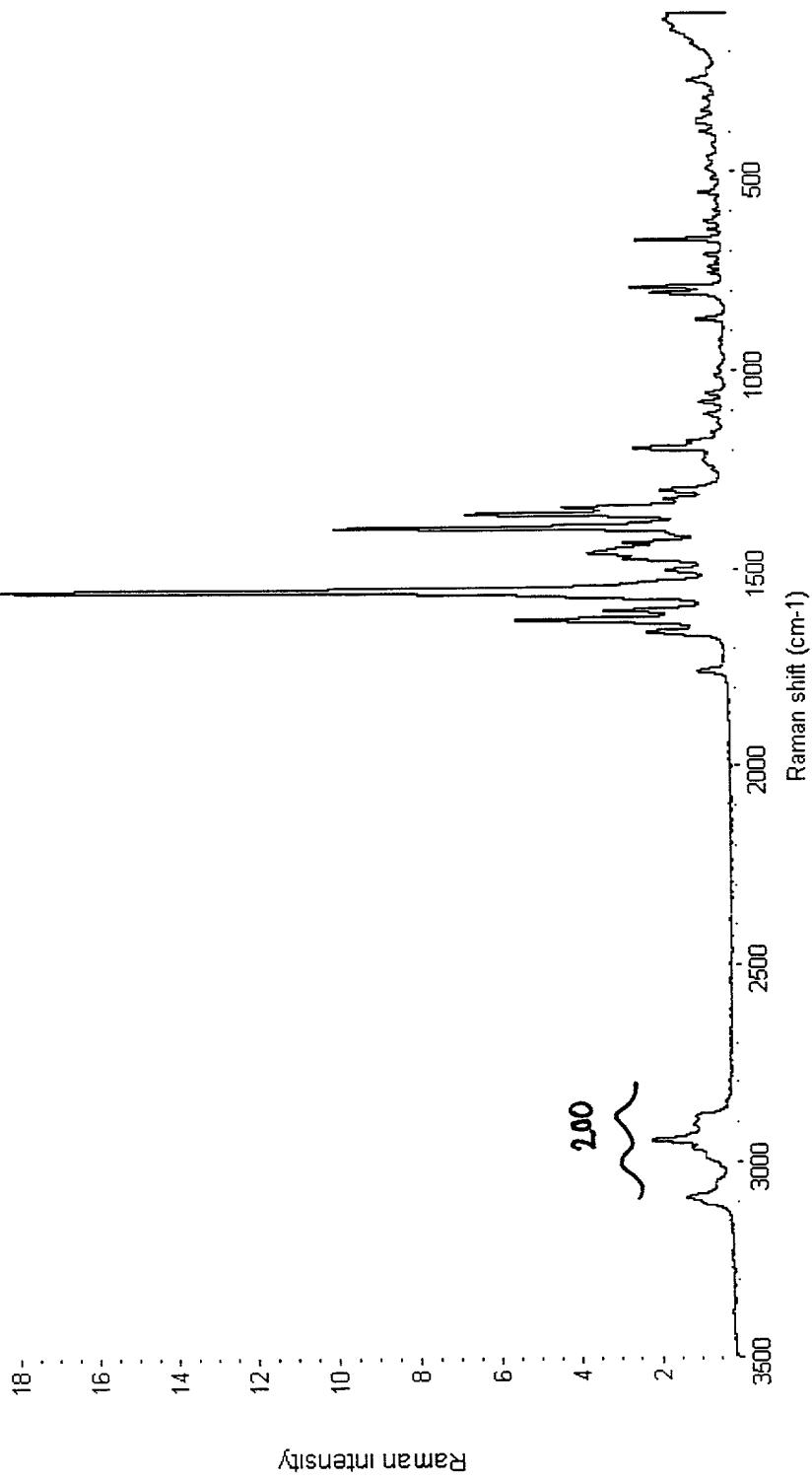
FIG. 19

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

202



200

Raman shift (cm⁻¹)

FTG. 20

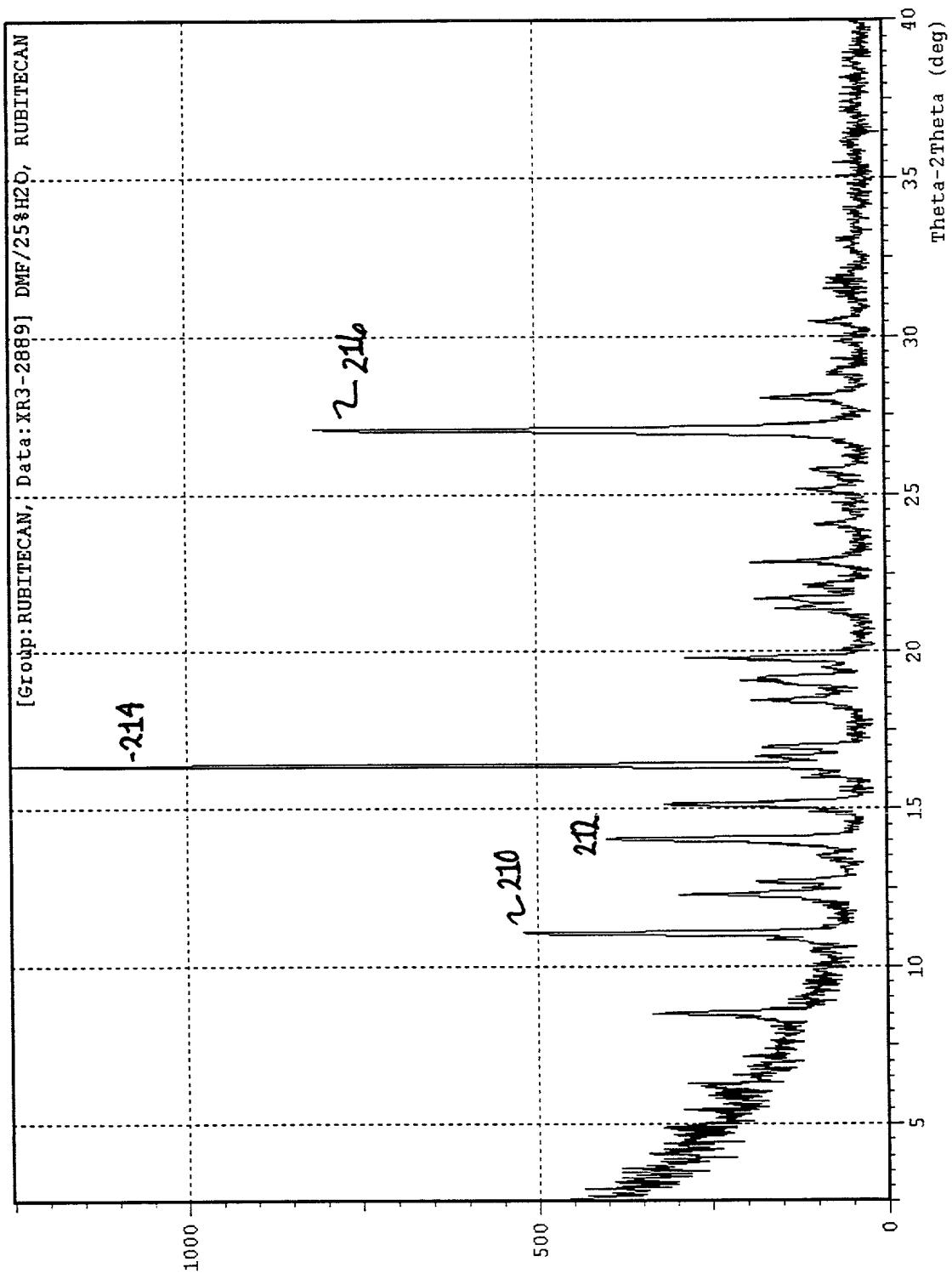


FIG. 21

Sample: RUBITECAN
Size: 0.6500 mg
Method: RUBITECAN
Comment: SSC# 3131902, DMF/25%H₂O, AVSC, NTBK 270-62

TGA of Rubitecan Form F.

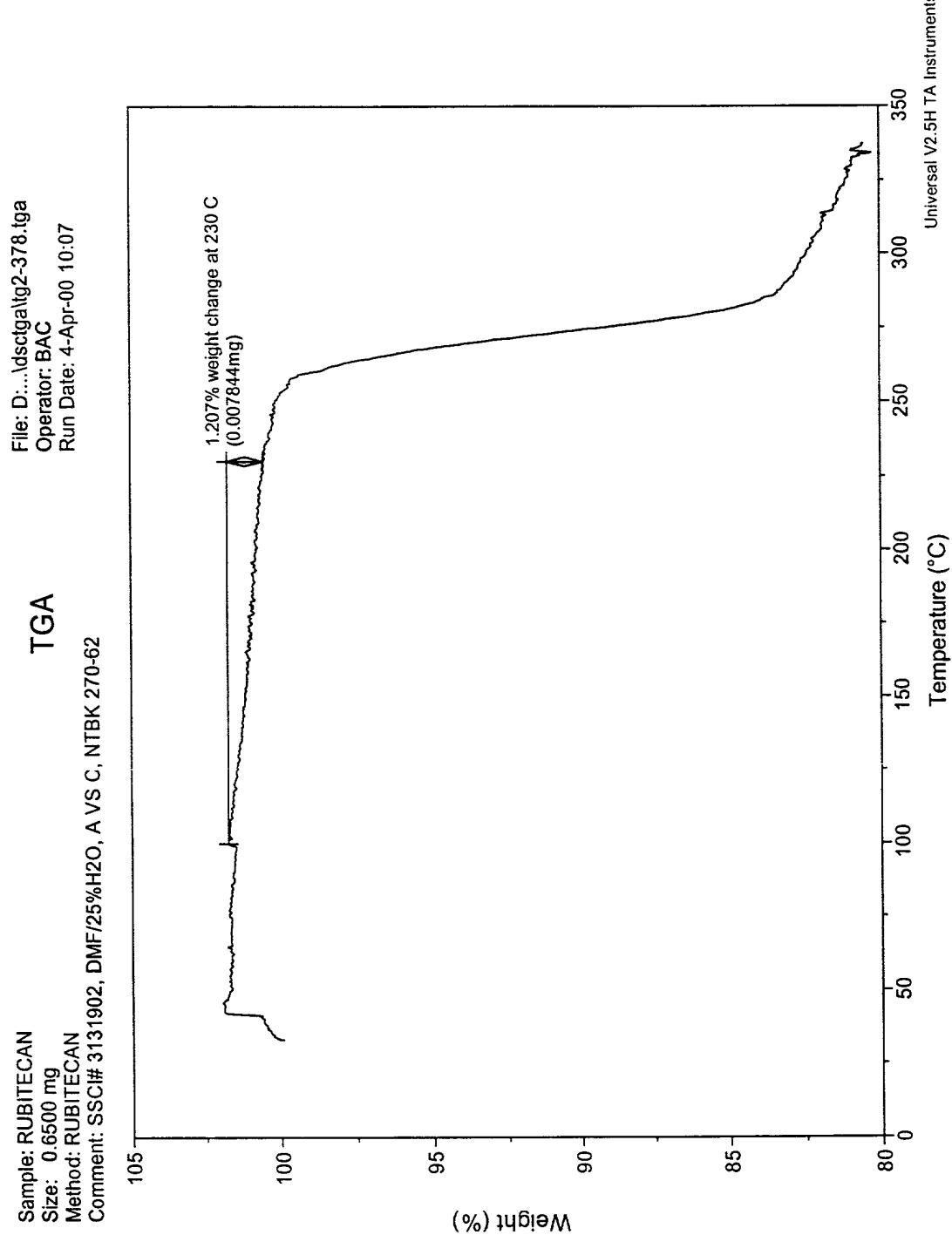
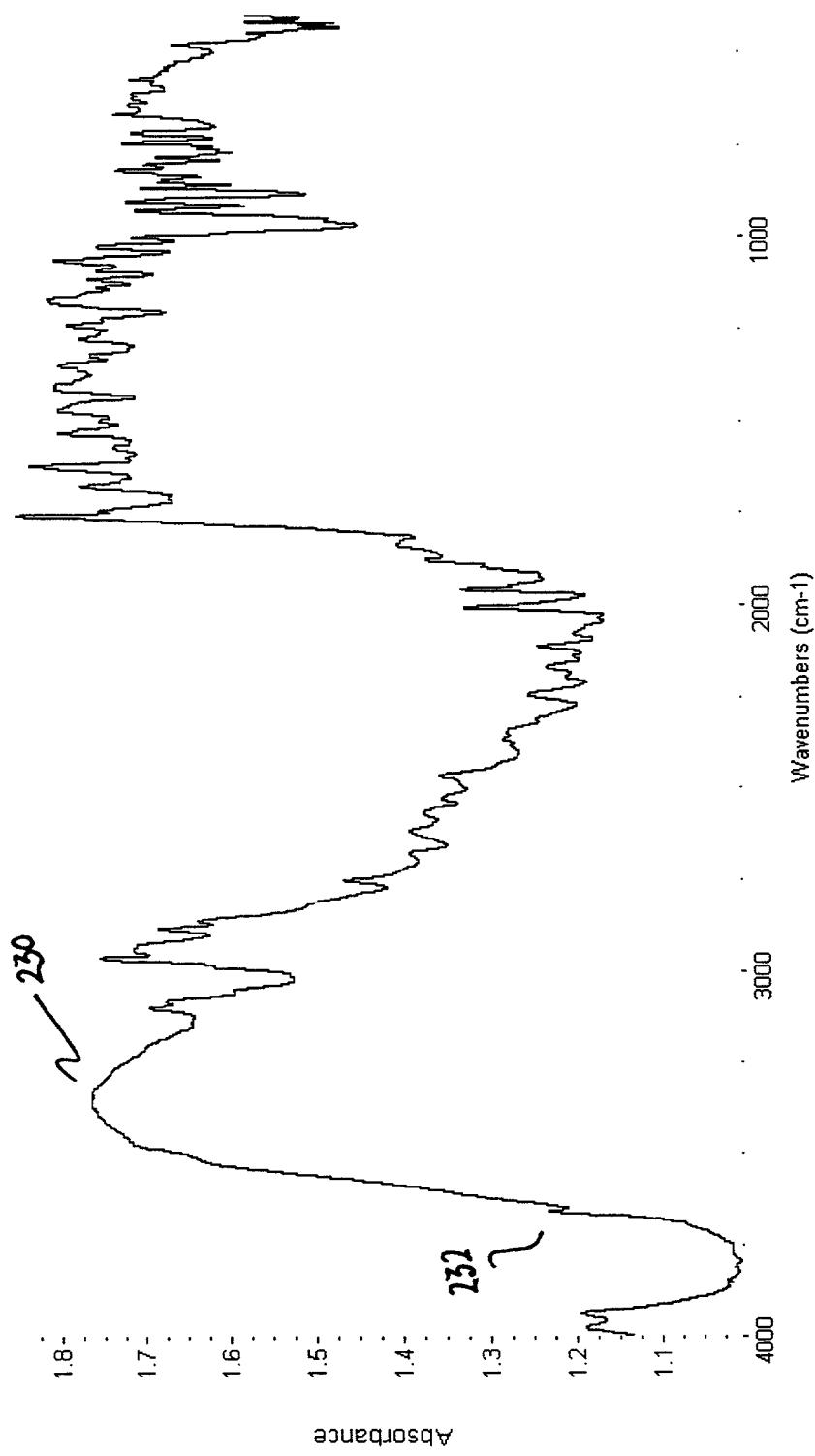


FIG. 22

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000
Number of sample scans: 256
Number of background scans: 256
Resolution: 4.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 100.00



FT 6. 23

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.0000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

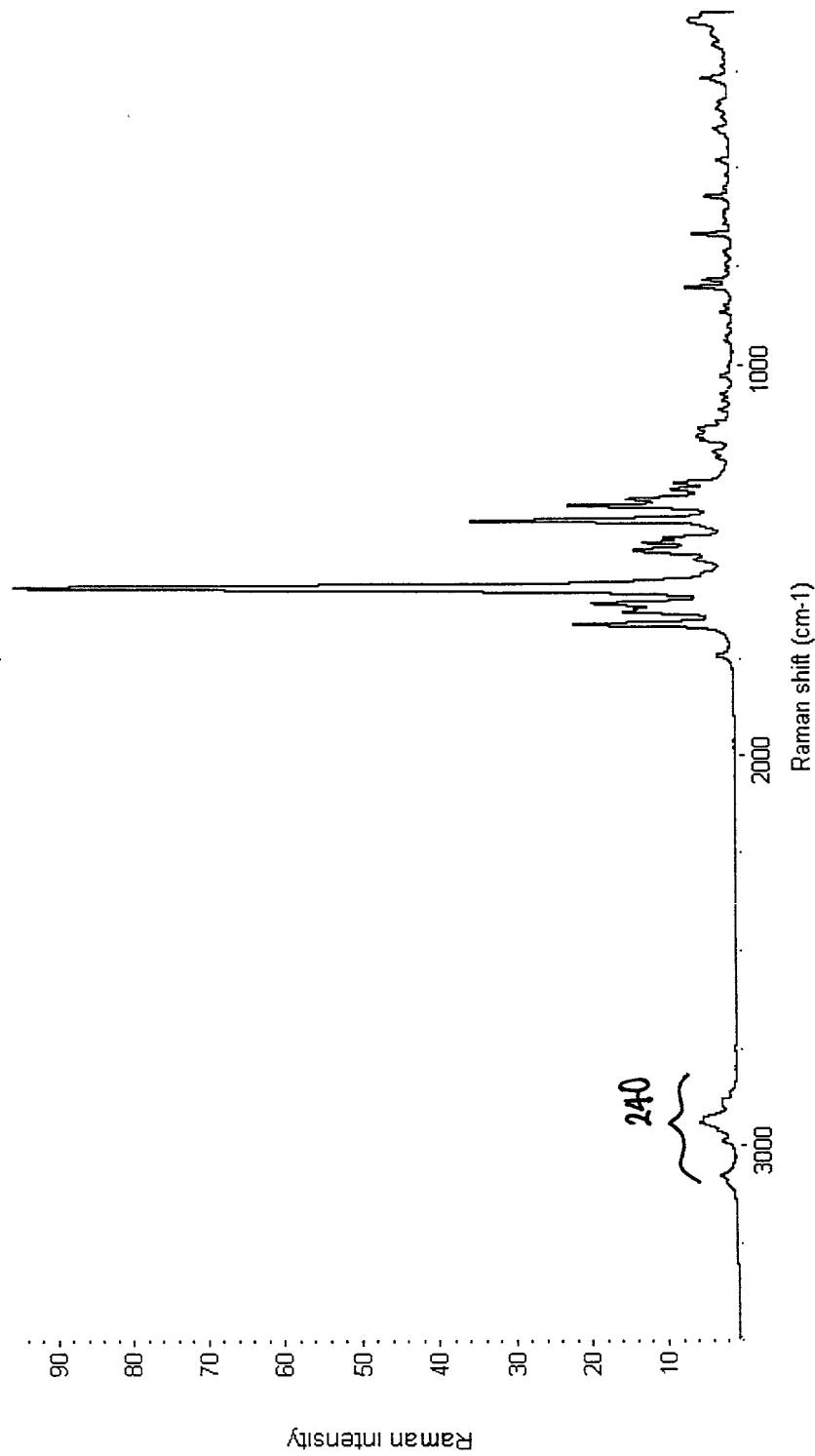


FIG. 24

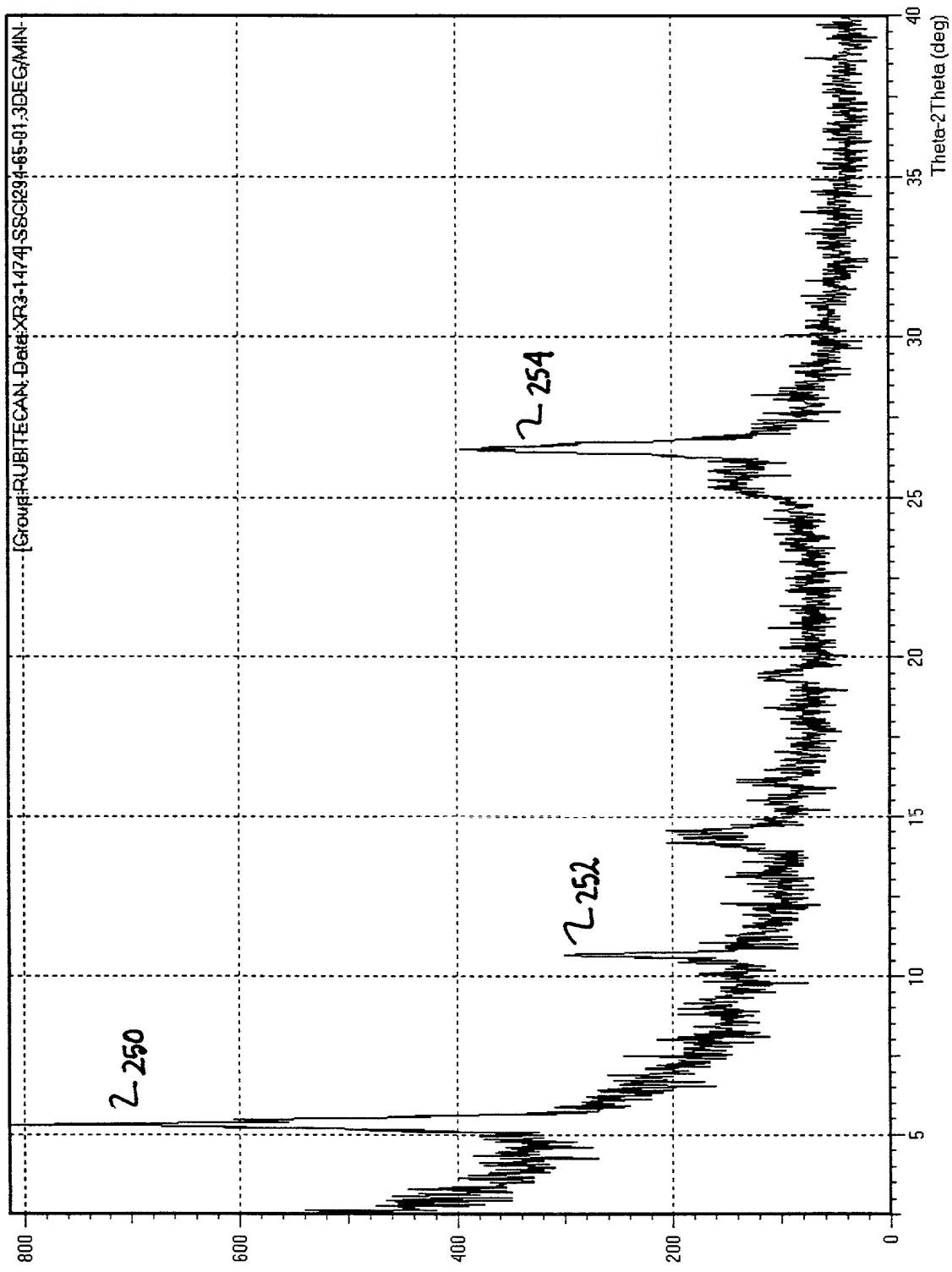


FIG. 25

DSC (bottom) and TGA (top) of Rubitecan Form G.

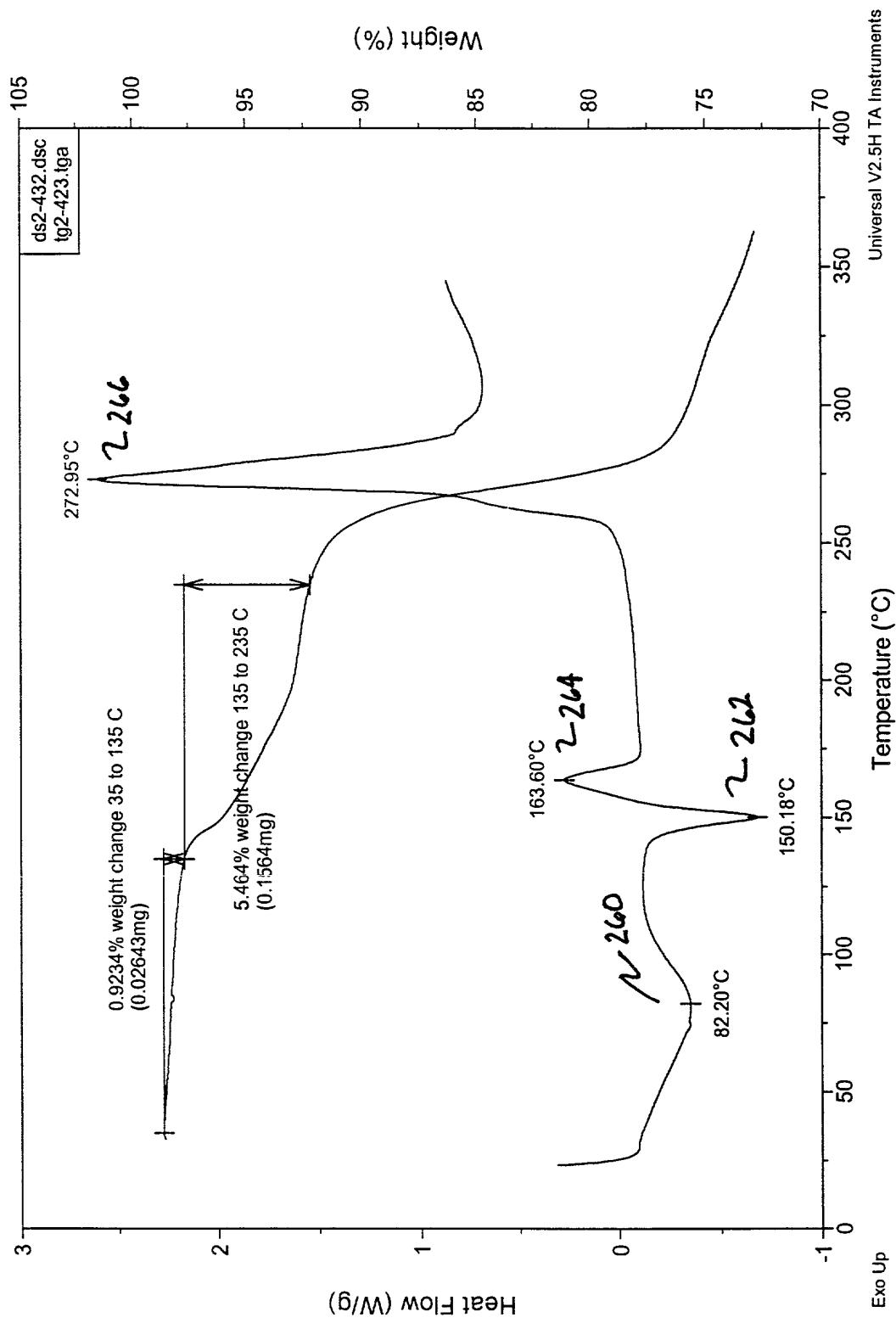


FIG. 26

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 18 20:28:17 2000
Number of sample scans: 128
Number of background scans: 128
Resolution 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

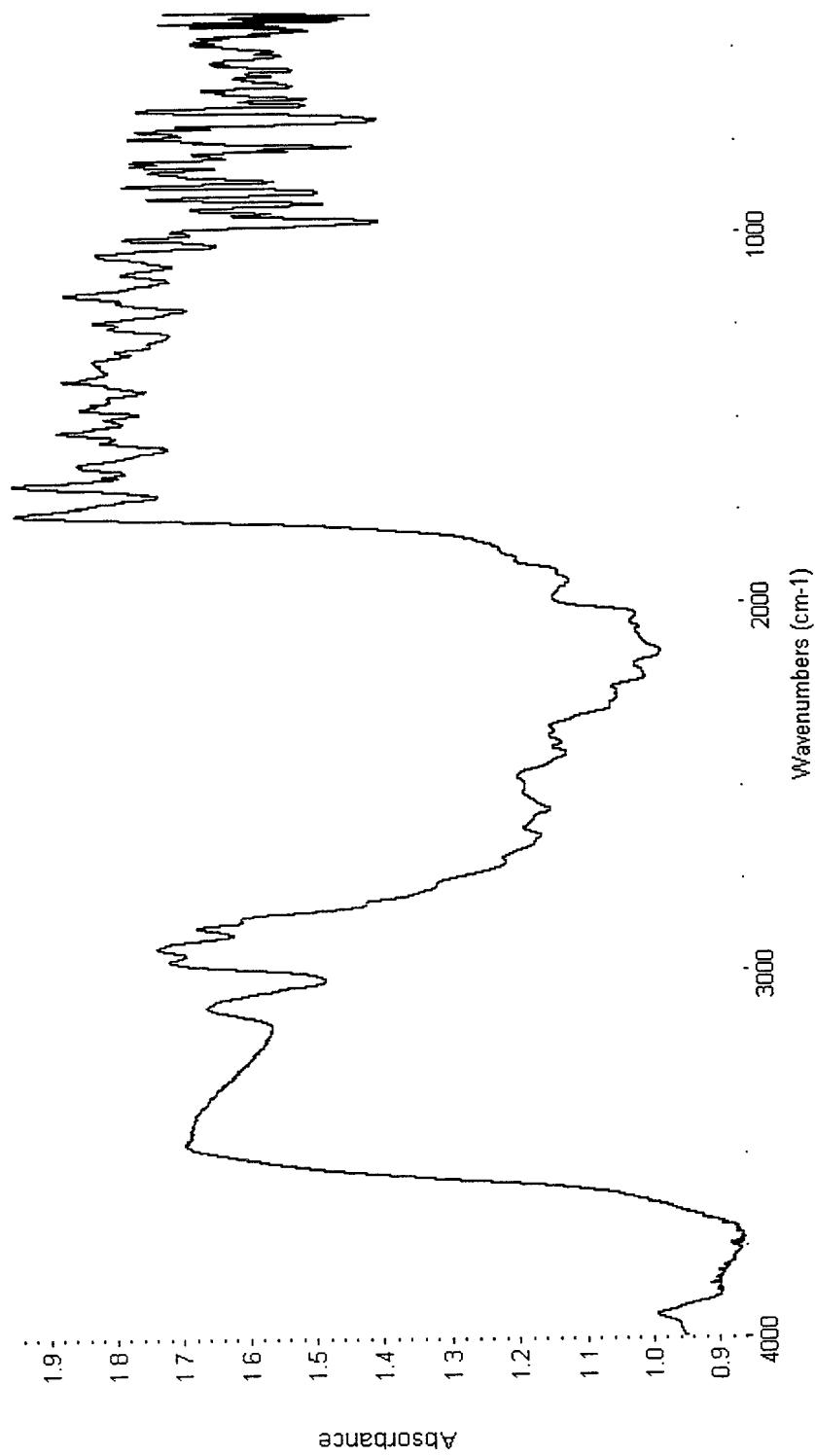


FIG. 27

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 4.0
Mirror velocity: 0.3165
Aperture: 59.46

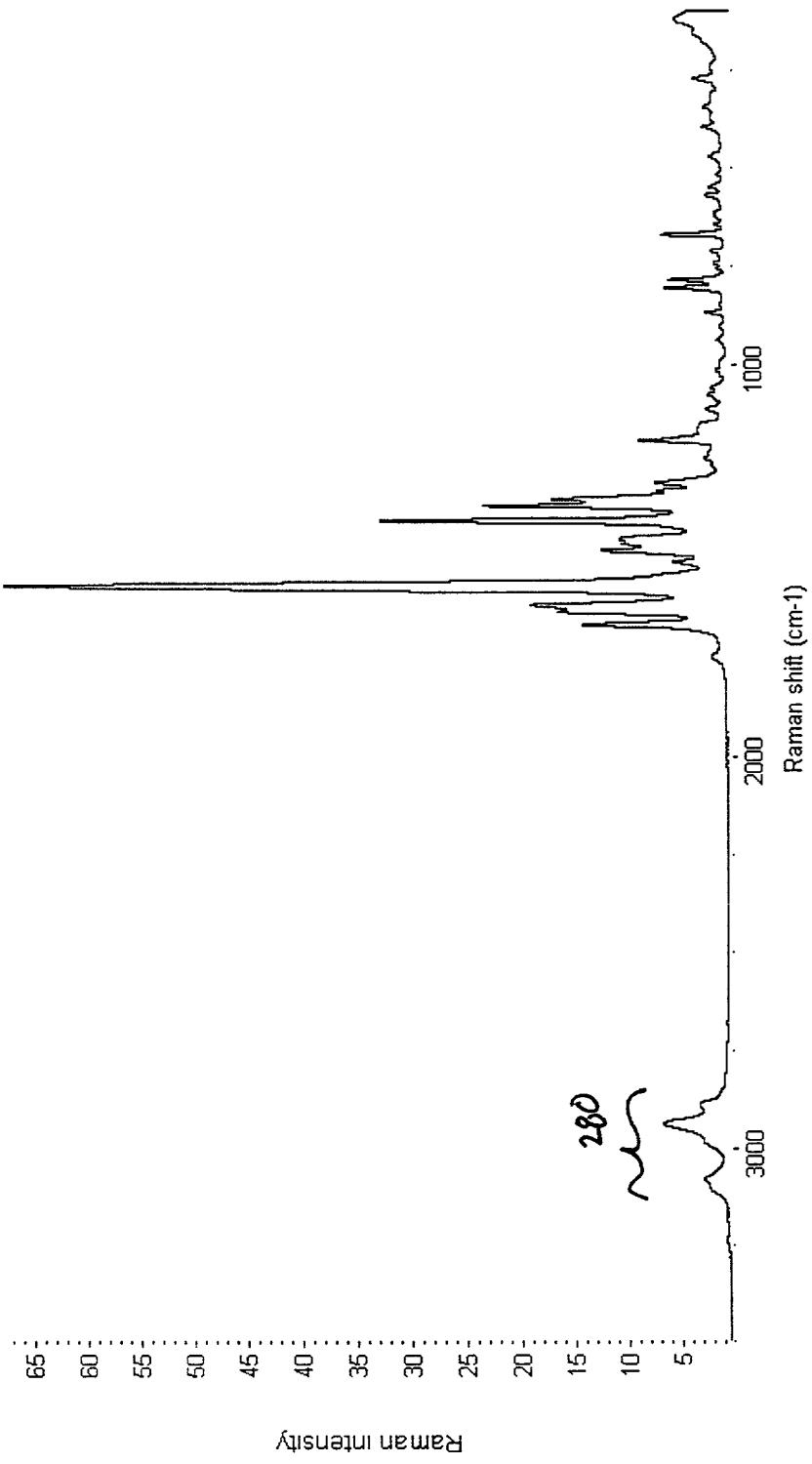


FIG. 28

XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

*** Multi Plot ***

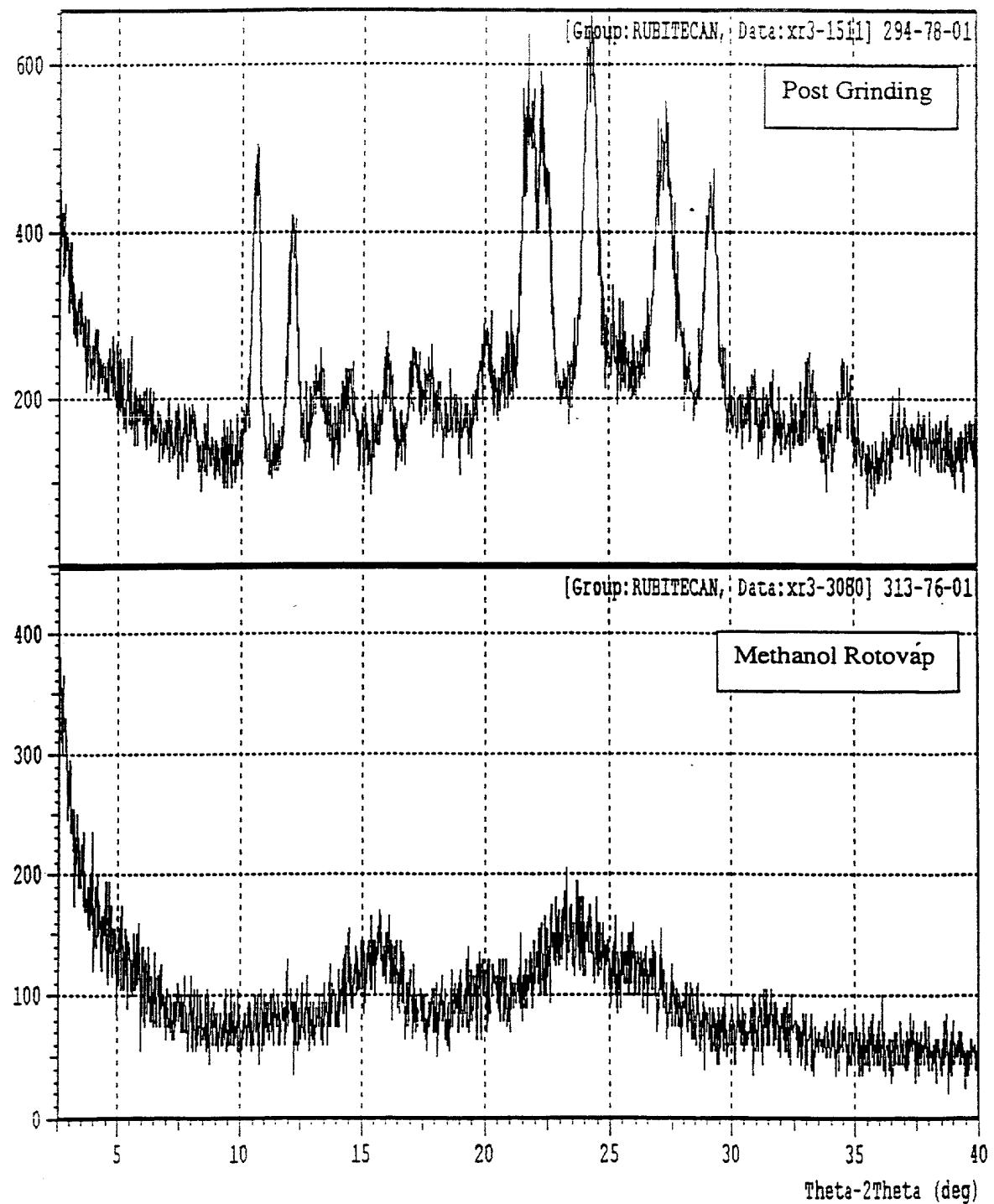


Fig. 29